Wyse® V class™

Versatility on your desktop

WYSE

THE GLOBAL LEADER IN
CLOUD CLIENT COMPUTING

Wyse V class: **All you need to know. Here.**

The Wyse V class family

Offering versatility and performance.

Powerful energy saving CPUs are at the heart of Wyse V class' expandable but compact size that features a host of connections including DVI for crisp displays and a unique monorail mounting system allowing the device to be mounted under desks, to walls and even to the rear of desktop monitors.

V10LE

Wyse ThinOS for fast boot up times.

V30LE

Featuring Microsoft Windows CE.

V50LE

Featuring Wyse Linux v6.

V90LE

Featuring Microsoft Windows XP embedded.

V90LEW

Featuring Microsoft Windows Embedded Standard.

V00LE

Cloud PC for use with Wyse WSM.

Features Wyse V class

The Wyse V class family of versatile cloud clients has been created to combine expandability, power and performance in a compact space-saving desktop device. The family is complemented by the Wyse cloud computing software range that features a fast operating system, provisioning, management and virtualization applications designed to deliver the best PC experience in a cloud computing environment.

The Wyse V class is available with Wyse ThinOS, Wyse Linux v6, Microsoft Windows CE, XP Embedded and Embedded Standard operating systems and a model for use with Wyse WSM.

Learn more: Simply click the Wyse V class feature icons below:

Performance

Connectivity

Mounting options

Green

Cloud PC Provisioning

Thin Client Management

Virtualization Software

Virtualization Software

Wyse ThinOS

Windows Linux v6

Microsoft Windows CE

Microsoft Windows XP Embedded

Microsoft Windows Embedded Standard 2009

Take a tour of the Wyse V class range

High Performance

Expandability. Power. Performance.

Reflecting the needs of ever changing desktop environments the Wyse V class range has the expandability, power and performance to match.

Driven by powerful energy saving Via C7 Eden processors the Wyse V class range of cloud clients present an all-round high performance and versatile desktop computing platform. Adding an extra monitor is simple with built-in dual video. Expanding functionality is straightforward with an optional PC-Card expansion slot. Four operating systems are available - as well as zero client versions that enable you to 'provision' your users with their individual choice of operating system and applications.

Choose the WiFi wireless options to deploy the Wyse V class across range of desktop environments without compromising data security.

Via C7 Eden 1.2 GHz

The Via C7 Eden processors inside every Wyse V class deliver excellent performance with low energy use.

Adding a second monitor is simple

To add a second monitor use an optional splitter cable. And, just like all Wyse cloud clients, they don't have hard drives, so all your users' data remains safely on the server, eliminating the risks from data loss or malicious viruses.

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V class LE Family Connectivity

Wyse V10LE, V30LE, V50LE, V90LE, V90LEW thin clients and V00LE cloud PC

Well connected

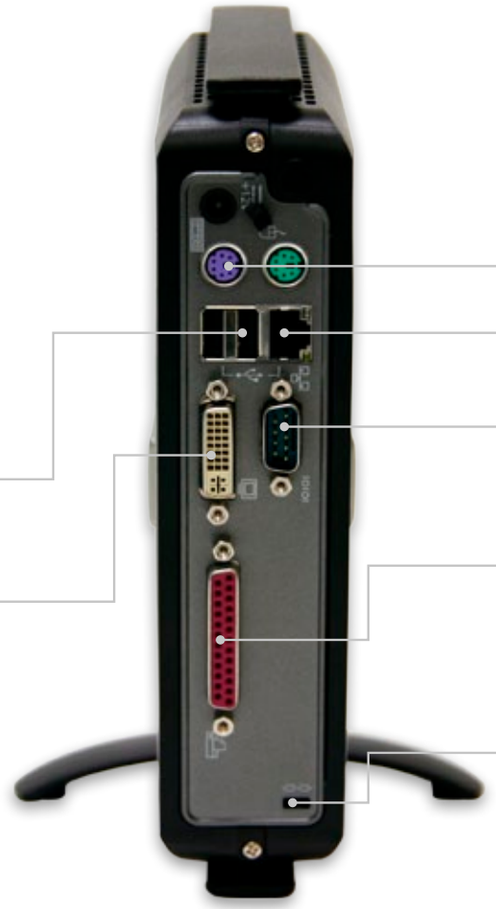
Front of device

Audio In: 1/8-inch mini jack, 8 bit stereo microphone

Audio Out: 1/8-inch mini jack, 16 bit stereo

Three external USB 2.0 ports (1 front; 2 back)

One DVI-I Port
Allows use of 1 or 2 displays (with optional splitter cable)



Two PS/2 ports

10/100 Base-T Ethernet port

One serial port

One parallel port

Kensington lock slot

Options: Internal smart card reader
Antenna connection for internal wireless

Continue tour

Mounting options

The Wyse V class family can be placed vertically on desktops, mounted to walls and even behind monitors.

Back of monitor or wall mounting

An optional VESA mount bracket enables the Wyse V LE Family of cloud clients to be mounted on the back of a monitor (this requires the four industry standard mounting points to be free). The same bracket can be used for wall mounting, or in a secure or ruggedized cabinet if required.

Optional feet

Wyse V class cloud clients are supplied as standard with feet for vertical use, and optional feet for horizontal use.

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Desktop computing without compromise

ENERGY STAR

EarthSmart Computing™

That's Wyse EarthSmart™ computing

Going Green with Wyse Cloud Computing

Through our EarthSmart computing initiative we are committed to helping organizations implement a greener computing strategy - one that delivers a more efficient and productive computing experience for your users with a positive effect on energy wastage, heat and carbon emissions.

Green Power

Wyse V class thin clients draw as little as 13 to 15 watts of power*, create very little heat and - as a result - contribute to cooler user working environments, greatly reduced carbon footprints and huge savings in energy costs, when compared to equivalent PC desktops.

Learn more

Download carbon calculators, fact sheets and white papers from here: **www.wyse.com/green**

*Average power usage with 1 device connected to 1 keyboard, 1 PS/2 mouse, and 1 monitor.

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Cloud PC Provisioning Wyse WSM

Enterprise computing from the cloud is here. Whatever you want. Wherever you need it.

That's the thinking behind Wyse WSM. It's a dynamic on-demand streamed computing environment where everyone gets their preferred operating systems, applications, user data and documents: Wherever they are and whenever they need them.

And Wyse WSM goes beyond the traditional VDI model too - with full support for mobile workers and remote branch offices. Wyse WSM effectively changes the rules on what's possible and opens up the benefits of high performance desktops to enterprise users: Wherever they are.

Better than a PC could ever be.

With Wyse WSM users - such as those in the financial or retail industries - are given a fresh computer with their chosen PC operating system, applications and files all preloaded and ready-to-go, every time they sit down and start-up their powerful desktop devices known as Wyse 'cloud PCs'.

Wyse cloud PCs feature powerful processors that enable them to run full PC operating systems and applications locally, while keeping their documents and data secure on central Wyse WSM servers. Enabling existing PC users to continue to use all their familiar operating systems and applications seamlessly - but with greater reliability and better overall performance than a full PC - with the result that many users don't even realize they're using a cloud PC.

Wyse WSM™

And - better still, Wyse WSM features a highly secure, robust and resilient network design that's ideal for remote offices and mission critical deployments such as the defence industry.

With everything managed, updated, configured remotely and securely, Wyse WSM is everything a PC promises. Minus the headaches.

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Thin Client Management Wyse Device Manager

Wyse Device Manager (WDM) addresses key management requirements for deploying powerful thin clients. With its centralized management and administration WDM helps IT departments deliver more effective remote thin client support while minimizing end user downtime.

Security is assured with HTTPS based imaging, updates and downloads.

WDM delivers organization-wide benefits:

Operations	Centralized management. Collect and organize asset information.
Administration	Health status reports. Automated client settings. Update client firmware and add applications.
End User IT Costs	Easier more effective remote support. Create custom scripts and packages.
Minimize downtime	Restart or reset thin clients in less than a minute. Enforce policies. Minimize user errors.

At a glance features.

Security	HTTPS Based Imaging / Updates Fully Encrypted Network Traffic Delegated Admin Access (MS AD) Support
No-Hassle Deployment	Complete Device Imaging / Patching / Updates Bandwidth Throttling for Efficiency / Reliability Software Updates and Add-ons
Device Administration and Monitoring	Device Health Status / Reporting Remote Shadowing / Control Default Device Configuration
Reduce End User IT Costs	Reduce energy consumption with scheduled up/down times
Scalability	Distributed Architecture Microsoft SQL Database Support Multiple Remote Repository Support
Complete Asset Visibility	Automated device discovery Detailed Hardware Asset information Installed Software Asset information

Wyse WDM™

Continue tour

User Experience Optimization Wyse TCX™ Suite

with Collaborative Processing Architecture™

Wyse TCX delivers an amazing user experience in one software suite.

Wyse TCX Suite of virtualization software enriches the user experience by removing the limitations previously associated with thin clients. It enhances, not replaces, key protocols like ICA/HDX and RDP by adding key features to make each more valuable.

Multi-display

Ensures application windows and dialog boxes are multi-monitor aware when using more than one monitor.

USB Virtualization

Enables plug and play peripheral support for virtual desktop environments.

- Redirect and use local USB devices in virtual desktops.
- Deploy virtual desktops to knowledge workers with special device access needs.
- Enable a broad set of USB peripherals including webcams and headsets.

Multimedia acceleration

Streamlines the delivery of video and audio content to the local client for a rich user experience within a thin client computing architecture.

- Accelerates Mpeg1, Mpeg2, WMV, Mpeg4 Part 2, AC3, AAC, MP3, WAV, WMA media types.
- Collaborative Processing Architecture enhances server scalability, and network utilization by off-loading multimedia rendering to the client.

Flash acceleration

Flash acceleration helps thin client users to experience improved Flash video performance. While the Flash player continues to run server-side, the resulting images are transcoded and redirected to the client for fast rendering. The technology allows for greater control of frame rate and compression and supports enhanced playback of YouTube-style flash videos in Internet Explorer.

Bi-directional sound

Enables bi-directional audio in virtual desktop environments, enabling solutions such as VOIP, digital dictation or voice recognition to be deployed.

Continue tour

Virtualization Software Wyse Virtual Desktop Accelerator

Removing the barriers of network latency

Wyse Virtual Desktop Accelerator (VDA) enables virtualized desktop and thin computing environments to be deployed to areas where network latency has, to date, presented operational barriers. Now, with Wyse VDA, more users can receive the full benefits of Wyse thin computing – with the best PC experience over virtualized desktops.

Wyse VDA is a software-only solution for Wyse thin clients and supported PCs that delivers the best user experience for the allocated network bandwidth by neutralizing the effects of network latency and packet loss. Making 'thin' suitable for more remote-site, branch, or field-based users.

Wyse VDA works with instead of replacing existing RDP and ICA protocols, accelerating them by up to 20 times on networks faced with latencies up to and beyond 300ms, and at least 768kbps bandwidth.

At a glance features.

- Software-only acceleration of virtual desktops and applications
- Accelerates existing Citrix ICA and Microsoft RDP protocols
- Works on WANs and 'fat, long pipes'
- Accelerates connections to Citrix XenApp, Citrix XenDesktop, VMware View and Microsoft Terminal Server and Microsoft Hyper-V VDI
- Enhances Wyse TCX software suite functionality across wide-area networks
- Enables Wyse Collaborative Processing Architecture across wide-area networks
- Administrator console provides control of maximum bandwidth per connection
- Leverages built-in security of underlying protocols (128-bit encryption for RDP and ICA).

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Operating Systems Wyse ThinOS 7

Wyse ThinOS is the most secure, management-free solution for cloud and virtual computing environments with built-in support for the latest infrastructures including Citrix, Microsoft, VMware and other vendors.

Fast. Simple. Secure

This fast, purpose-built thin computing platform boots up in seconds, updates itself automatically, and provides IT managers with simple, scalable administration to suit their organization's needs. Security is assured too as there's no pubished API – giving you an environment that's immune from malware.

Management is simple with time consuming tasks such as software and configuration updates automated via central file servers (ftp, http, and https) where Wyse thin clients can check-in for their updates. So, whether you have 10, 100 ...or 1000 devices, rolling out a new update is as easy as dropping a file onto your file server.

New Zero Launchpad optimizes Virtual Desktop Deployments

By harnessing the power of the new Wyse Zero engine, Wyse ThinOS delivers fast and secure desktops with user experiences based an individual's access levels.

Logging on is fast and easy too with no double desktop dramas. There's just one screen for inputting their credentials before users are immediately presented with their assigned desktop(s).

Finally, the new Wyse Zero toolbar gives advanced users the option to switch between multiple virtual desktops or modify local settings (i.e. display resolution)– all without leaving their virtual desktop environment.

Innovative, user-oriented and productive features:

Wyse ThinOS™

Instant-on, simple access for users

- New Zero launchpad and Zero toolbar adapt to provide simple and advanced access depending on user privileges.
- With class-leading boot-up times, users are ready to login in seconds.

Automated Management

- Wyse ThinOS enables simple, scalable device management from day one without the need for basic management software.
- For more in depth management Wyse ThinOS features complete integration with Wyse Device Manager.

Security

- Featuring an unpublished API and no file system, Wyse ThinOS is inherently secure providing maximum security from malware and viruses.
- Secure remote access using Citrix Access Gateway (CSG mode) or VMware Security Server, including dual authentication with RSA SecureID.

Best HDX and RDP in a non-windows client

- Support for latest HDX features including multimedia playback, USB webcam remoting, new audio codecs for VoIP, dual factor authentication, etc.
- Wyse is the only vendor with an RDP 7 compatible client on non-windows OS - other vendors use RDESKTOP (based on RDP 5.x)
- ICA and RDP performance outperforms other non-windows clients by 3x (on comparable hardware).
- Enhance existing protocols further with Wyse TCX (i.e. Multicasting, high latency support, USB on terminal server, etc)

Continue tour

Operating Systems Wyse Linux v6

Wyse Linux v6 is a powerful Linux-based operating system optimized for thin computing. It is ideal for organizations who want to run server-based Microsoft Windows applications, local Linux applications or distributed X Window applications.

Wyse Linux v6* comes with the Firefox web browser to give you a secure internet experience. Plus it offers terminal emulation to give you the ability to run legacy applications.

Secure, flexible access.

Wyse Linux's hot-desking capabilities allow people to log in to different thin clients without losing their desktop configuration. Wyse Linux is modular too, allowing you to add-on or remove features as necessary to improve your performance and cost advantages. It also offers a secure read-only file system that provides the highest protection against software corruption and virus attacks. In addition the file system is compressed to maximize space for additional software applications.

*Wyse Linux is a powerful Linux-based operating system optimized for Wyse thin computing.

Improved wireless and smart card authentication and support.

New with Wyse Linux v6 is improved wireless support (including 802.11 g/b) and authentication, better smart card support and authentication and enhanced localization with doublebyte Asian language support.

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wyse.com

Operating Systems Microsoft Windows CE

Microsoft Windows CE gives you a PC-like experience on the desktop, with local terminal emulation so you can run most legacy applications.

By combining this small and fast operating system with firmware components, Wyse is able to reduce boot times and increase protection against viruses, trojan horses, and other malware.

The result is a simply more secure solution that provides the flexibility to add standard peripherals, from printers to scanners to USB thumb drives. However these peripherals can only be connected under access controlled by the IT administrator.

Small, fast and secure.

Wyse-enhanced Microsoft Windows CE is ideal for departments and organizations that want a Microsoft end-to-end solution, and support for Citrix ICA, Microsoft RDP, VMware View, Ericom PowerTerm WebConnect, Ericom PowerTerm InterConnect Terminal Emulation as well as a local browser, plus standard connections to peripherals and add-ons.

Microsoft Windows CE

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Operating Systems Microsoft Windows XP Embedded

Running Microsoft Windows XP Embedded on Wyse thin clients gives IT departments the ability to support Citrix ICA, Microsoft RDP, VMware View, and Ericom PowerTerm WebConnect environments, as well as Ericom PowerTerm Interconnect Terminal Emulation and deploy fully functional desktops with better manageability and significantly lower total cost of ownership than personal computers.

Wyse Enhanced Microsoft Windows XP Embedded-based thin clients can run 32 bit Microsoft Windows applications, either locally or from servers located on the network, with inbuilt flexibility to add and support a host of desktop peripherals with permission from the IT administrator.

Secure write-protected thin desktops

This robust and flexible operating system is further enhanced by the Wyse file-based Write Filter that enables you to protect the file system image from accidental changes or user customization. On rebooting, the thin client simply returns to the required file system image state.

Wyse customized image support.

Wyse technicians are able to help you customize Windows XP Embedded to your exact requirements and create bespoke system images for subsequent enterprise-wide deployment, management and update through Wyse Device Manager.

Contact your Wyse Partner for further details.

Microsoft Windows xp Embedded

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Operating Systems Microsoft Windows Embedded Standard 2009

Running Windows Embedded Standard (WES) on Wyse thin clients gives IT departments the ability to deploy fully functional desktop clients with better manageability and significantly lower total cost of ownership than personal computers.

Wyse WES 2009-based thin clients can run 32 bit Microsoft Windows applications, either locally or from servers, with the inbuilt flexibility to add and support a host of desktop peripherals with permission from the IT administrator.

Full support is provided for RDP 7.0, Citrix ICA 11.2, VMware View 4.0.1, Ericom PowerTerm WebConnect, Ericom PowerTerm InterConnect Terminal Emulation and Internet Explorer 8.

Secure write-protected thin client desktops.

This robust and flexible operating system is further enhanced by the Wyse file-based Write Filter that enables you to protect the files, folder and/or entire volumes from accidental changes or user customization. On rebooting, the thin client simply returns to its original state thus preventing any possible damaging modification either from users or malware.

Wyse customized image support

Wyse technicians are prepared to help you customize Windows Embedded Standard 2009 to your exact requirements in order to create custom-built images for subsequent enterprise-wide deployment, management and update through Wyse Device Manager.

Contact your Wyse Partner for further details.

Windows Embedded Standard 2009

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Technical Wyse V class specifications

Wyse V class cloud clients are available across a variety of operating systems featuring the speed, ease and administrative simplicity of Wyse ThinOS, the functionality of Microsoft Windows CE, the versatility of Microsoft Windows XP Embedded, the power of Microsoft Windows Embedded Standard and the robust adaptability of Wyse Linux.

Want to learn more? Simply click the relevant icon.

Wyse V class

Wyse ThinOS

Wyse ThinOS

Wyse Linux v6

WYSE

Microsoft Windows CE 6.0 WFR3

Microsoft Windows CE

Microsoft Windows XPe

Microsoft Windows xp Embedded

Microsoft Windows Embedded Standard 2009

Windows Embedded Standard 2009

Specifications

Hardware Specifications Wyse V10LE, V30LE, V50LE, V90LE, V90LEW thin clients and V00LE cloud PC

Processor	Via C7 Eden 1.2GHz
Memory	128MB Flash / 512MB DDR2 RAM (Wyse ThinOS) 128MB Flash / 512MB DDR2 RAM (Windows CE and Linux V.6) 1GB Flash / 1GB RAM - up to 2GB Flash / 1GB RAM (Windows XPe) 2GB Flash / 1GB DDR2 RAM (Windows Embedded Standard) 0MB Flash / 1GB RAM (Wyse WSM)
I/O peripheral support	One DVI-I Port One DVI-I Port to VGA (DB-15) Adapter Dual-video Support with: Optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately) Enhanced PS/2 keyboard with Windows keys PS/2 optical mouse included One serial port One parallel port Three USB 2.0 ports (1 on front, 2 on back)
Networking	10/100 Base-T Fast Ethernet twisted pair (RJ-45) Optional external USB 802.11 b/g wireless adapter
Factory Options	Internal Smart Card reader Internal wireless option eliminates theft of external wireless adapters CardBus /PCMCIA card slot
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate Single Monitor at 32 bpp color: up to1920x1200 (Wyse ThinOS), 1920x1440 (Windows CE), 1920x1080 at 23bpp (Linux V6), 1920x1080 at 32 bpp (Windows XPe) Dual Monitors used simultaneously (requires optional monitor splitter cable) at 32 bpp color: up to 1280x1024 (Wyse ThinOS), 1680x1050 (Windows CE), 1280x1024 @ 24 bpp (Linux V.6), 1920x1080 at 32 bpp (Windows XPe)

Audio	Output: Input:	1/8-inch mini jack full 16 bit stereo, 48KHz sample rate 1/8-inch mini jack, 8 bit microphone	
Physical Characteristics	Height: Width: Depth:	7.9 inches 1.8 inches 7.1 inches	(201mm) (46mm) (180mm)
Shipping weight:	8 lbs.	(3.6kg)	
Mountings	Vertical foot (optional horizontal feet) Optional VESA mounting bracket		
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz. Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: 13.2 Watts/hour		
Temperature Range	Horizontal position: 50° to 95° F (10° to 35° C) Vertical position: 50° to 104° F (10° to 40° C)		
Humidity	20% to 80% noncondensing		
Security	Kensington Lock Slot		
Safety Certifications	German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC class B, CE, VCCI, C-Tick WEEE, RoHS Compliant		
Warranty	Three-year hardware warranty		

Software specifications

Wyse ThinOS 7

HDX Ready client	- HDX Mediastream - Flash (server rendered) - Progressive Display - HDX IntelliCache - Session Reliability - Smartcard authentication and redirection	- HDX Plug-n-Play - HDX Realtime - Seamless Windows - Desktop Restart (XenDesktop) - HDX Broadcast (Branch Repeater) - Access Gateway Support (CSG mode)
RDP 7.x Compatible client	- Up to 32-bit color depth connections - Network Level Authentication (NLA) - WAN Acceleration (with Wyse VDA) - Rich Multimedia (TS MMR)	- Broad USB Support (with Wyse TCX) - Smartcard authentication and redirection - True Multi-Monitor Support - Flash Video support (with TCX)
VMware View 4.x client	- Smartcard Authentication - SecureID Authentication - Multimedia Support (with TCX) - Bi-directional Audio (with TCX) - WAN Acceleration (with VDA)	- SSL Tunneling - Restart VM - Broad USB Support (with TCX) - Flash Video Support (with TCX)
Roaming smart card vendor support	Enables smart card users to not only roam from station to station but also access the same virtual environment support regardless of which station they are connecting from. Wyse ThinOS provides 'out-of-the-box' smart card support for vendors such as Gemalto .NET, Aladdin, and ActiveIdentity – supported within Citrix, VMware and Microsoft environments. Users benefit from secure login and roaming desktop support so they can access their environments from any suitably equipped Wyse thin computing environment. DoD CAC supported.	

Wyse TCX Suite	Wyse TCX Suite virtualization software works with and enhances HDX and RDP protocols featuring: - Multimedia: giving users the power to run rich multimedia files formats - Multi-Display: windows and dialog boxes behave the way users expect across multiple displays. - USB Virtualizer: client attached USB devices are visible to virtual desktops applications, and administrators. - Rich Sound – receive and transmit high quality audio without compromise. - Flash Acceleration: helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.
Management made easy	Fast booting, scalable administration includes simple drag and drop placement of firmware, automatic updates via file server and full integration with Wyse Device Manager.
Security built in	- With no published API Wyse ThinOS is inherently secure from viruses and malware. - Wyse ThinOS includes robust wired and wireless 802.1x support, with secure encryption for simple installation and management. - DoD CAC supported.
Server OS Infrastructure Support	- Citrix XenDesktop - Citrix XenApp / Citrix Presentation Server - Microsoft Windows Terminal Server 2003 / 2008 - VMware View - Support for other leading VDI brokers (Quest Software, Leostream, etc)

Software specifications

Wyse Linux v6

Firmware features	Wyse-enhanced optimized Linux Kernel 2.6x Firefox browser standard X11R6 local window manager Compressed read-only file system NFS and Samba file system support LPR/LPD, Ghostscript and Samba print support for DeskJet and LaserJet Browser kiosk support with touch screen Citrix ICA 10.X RDP 5.1 compatible X11R6-compliant X-Windows XDMCP Ericom PowerTerm InterConnect Terminal Emulation Ericom PowerTerm WebConnect client
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Ericom PowerTerm WebConnect Microsoft Windows Terminal Server 2003 & 2008 UNIX & Linux servers
Set-up and Configuration	User interface Boot from local flash User interface languages: U.S. English, French, German, Spanish
Keyboard language support	U.S. English, French, German, Spanish, U.K. English, 30 other languages supported

Protocol Support	PPP, IP, NFS, NTP, DHCP, PXE, SNMP, SSH
Management	Remote management, configuration, and upgrades through Wyse Device Manager Complete image upgrade Wake terminal remotely (Wake-on LAN) Terminal configuration (IP information, name, etc.) Remote screen shadowing of entire desktop (VNC) Asset management and Reporting
Wireless support	WPA/802.11, WPA2, IEEE 802.1X Supports wireless adapters from: Cisco, D-Link, Netgear Internal WiFi WPA2 supplicant support: WEP40, WEP128, WPA-PSK (TKIP), WPA2-PSK (AES-CCMP), WPA-EAP, WPA2-EAP, MS-CHAP-v2

Software specifications

Microsoft Windows CE 6.0 WFR3

Firmware features	Microsoft Windows CE 6.0 WFR3 Microsoft Internet Explorer 6.0 resident: HTML, JavaScript, XML, Active X as custom Citrix ICA 10.x resident Citrix Web Interface RDP 6.0 resident VMware View Client Resident CCID compliant Smart Card Readers support Ericom PowerTerm InterConnect Terminal Emulation Ericom PowerTerm WebConnect client Jetcet 5.0 Media Player 9.0 Terminal Services Advanced Client (TSAC) ThinPrint ICAVC and Thinprint RDP VNC support in CE 6.0 WinCE 6 eStar B category certification
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Ericom PowerTerm WebConnect Microsoft Windows Terminal Server 2003 / 2008
Set-up and Configuration	User interface Boot from local flash

Protocol Support	TCP/IP, DNS, DHCP, PXE, PPP, PC/SC and ISO-7816 smart-card support
Management	Remote management, configuration and upgrades through Wyse Device Manager Send messages Complete image upgrade Wake terminal remotely (Wake-on LAN) Terminal configuration (IP information, etc) Remote screen shadowing of entire desktop (Wyse Remote Shadow) Reporting Altiris Deployment via add-on
Wireless support	802.11 b/g/n support with internal wireless adapter IEEE 802.1X WEP, WPA, and WPA-2 wireless authentication Internal WiFi default encryptions: MD5, PAP, TLS Supports USB wireless adapters from: Cisco, D-Link, Netgear, US Robotics, Trendware

Software specifications

Microsoft Windows XP Embedded SP3

Firmware features	Microsoft Windows XP Embedded SP3 Microsoft Internet Explorer 7.0 resident: HTML, JavaScript, XML, Active X Sun JRE, Media Player, Citrix Web Interface RDP 6.0.xx resident Citrix ICA 11 resident VMware View Client Resident Ericom PowerTerm InterConnect Terminal Emulation Ericom PowerTerm WebConnect client Windows Media Player 11, .NET 3.0 SP1
Memory	1GB of flash memory and 1GB of RAM
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Ericom PowerTerm WebConnect Microsoft Windows Terminal Server 2003 & 2008
Keyboard language support	U.S. English (standard), French, German, Spanish, U.K. English, 40 other languages included
Protocol Support	TCP/IP, DNS, DHCP, PXE
Management	Remote management, configuration, and upgrades through Wyse Device Manager Complete image upgrade Wake terminal remotely (Wake-on LAN) Terminal configuration (IP information, name, etc.) Remote screen shadowing of entire desktop (Wyse Remote Shadow) Reporting, Asset management SMS Altiris

Wireless support	802.11 b/g/n support with internal wireless adapter WPA-2, WEP, WPA wireless authentication Supports wireless adapters from: Cisco, D-Link, Netgear, US Robotics, Trendware
Plug-ins	Adobe Flash Player Adobe Shockwave
Wyse TCX Suite	Advanced support for innovative Wyse TCX Suite virtualization software that both works with and enhances ICA and RDP (instead of replacing them) featuring: - Multimedia acceleration - the power to run rich multimedia files formats ultilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server. - Multi-display: ensures that windows and dialogue boxes behave the way users expect when using more than one monitor. - USB Virtualization: makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control. - Bi-directional sound: enables virtual desktops and applications to receive and transmit high quality audio without compromise. - Flash acceleration: helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.

Software specifications

Microsoft Windows Embedded Standard 2009

Firmware features	Microsoft Windows Embedded Standard 2009 Microsoft Internet Explorer 8.0 resident: HTML, JavaScript, XML, Active X Sun JRE, Media Player, Citrix Web Interface RDP 7.0 resident Citrix Online Plugin 11.2 resident (ICA 11.2) VMware View 4.0.1 client resident Ericom PowerTerm InterConnect Terminal Emulation Ericom PowerTerm WebConnect client Windows Media Player 11, .NET 3.5
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Ericom PowerTerm WebConnect Microsoft Windows Terminal Server 2003 & 2008
Application Framework	.Net 3.5
Security	File Based Write Filter (FBWF) Microsoft Baseline Security Analyzer (MBSA)
Set-up and Configuration	Boot from local flash Microsoft Windows WES7 user interface languages: U.S, Optional add-ons
Keyboard language support	U.S. English (standard), French, German, Spanish, U.K. English, 40 other languages included
Protocol Support	TCP/IP, DNS, DHCP, PXE
Management	Remote management, configuration, and upgrades through Wyse Device Manager Complete image upgrade Wake terminal remotely (Wake-on LAN) Terminal configuration (IP information, name, etc.) Remote screen shadowing of entire desktop (Wyse Remote Shadow) Reporting, Asset management SMS / Altiris

Wireless support	802.11 a/b/g/n support with external wireless adapter or internal wireless adapter option* WPA-2, WEP, WPA wireless authentication PEAP-GTC wireless authentication protocol with optional Juniper Odyssey Client Supports PC-Card wireless adapters from: Cisco, D-Link, Netgear, US Robotics, Trendware*
Plug-ins	Adobe Flash Player Adobe Shockwave Microsoft Silverlight
Wyse TCX Suite	Advanced support for innovative Wyse TCX Suite of virtualization software that both works with and enhances ICA and RDP (instead of replacing them) featuring: - Multimedia acceleration - the power to run rich multimedia files formats ultilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server. - Multi-display - ensures that windows and dialogue boxes behave the way users expect when using more than one monitor. - USB Virtualization - makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control. - Bi-directional sound - enables virtual desktops and applications to receive and transmit high quality audio without compromise. - Flash acceleration - helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.

*requires hardware support

Contact Wyse

Wyse Technology Inc.

3471 North First Street,
San Jose, CA 95134-1801

Visit our website at:

http://www.wyse.com
or send an email to: sales@wyse.com

Wyse Sales

800 GET WYSE (800 438 9973)

International customers please dial:

00 1 408 473 1200

Wyse Support Portal

Wyse Support Portal provides a fast and accurate way to communicate interactively with Wyse Customer Support, and helps us respond to your requests more quickly.

http://support.wyse.com/selfservice.html

Wyse offers cloud client computing sales, service and support expertise around the globe. Click for contact details.

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WYSE wyse.com

THE GLOBAL LEADER IN
CLOUD CLIENT COMPUTING

Wyse® V class™

Versatility on your desktop

WYSE

THE GLOBAL LEADER IN
CLOUD CLIENT COMPUTING

**Wyse V10LE, V30LE, V50LE,
V90LE, V90LEW & V00LE cloud clients**

Versatility and performance

Reflecting the needs of ever changing desktop environments the Wyse V class range has the expandability, power and performance to match.

Driven by powerful energy saving Via C7 Eden processors the Wyse V class range of cloud clients present an all-round high performance and versatile desktop computing platform. Adding an extra monitor is simple with built-in dual video support. Expanding functionality is straightforward with an optional PC-Card expansion slot. Five operating systems are available – as well as a Cloud PC version that enables you to 'provision' your users with their individual choice of operating system and applications.

Secure desktop computing

Choose the WiFi wireless options to deploy the Wyse V class across range of desktop environments without compromising data security. And, just like all Wyse cloud clients, they don't have hard drives, so all your users' data remains safely on the server, eliminating the risks from data loss or malicious viruses. A unique monorail mounting system allows mounting discretely under desks, to walls and even to the rear of desktop monitors.

Provisioning and Virtualisation software

The Wyse V class is well suited to take advantage of Wyse WSM provisioning software and the Wyse TCX Suite of virtualization software.

Choice of operating systems

The Wyse V class is available with Wyse ThinOS, Microsoft Windows CE, XP Embedded and Embedded Standard 2009 and Wyse Linux v6 operating systems as well as Wyse WSM configured cloud PC format.

At a glance

Performance Via C7 Eden 1.2GHz processors feature inside every Wyse V class delivering excellent performance with low energy use.

Connectivity The Wyse V class supports fixed and wireless networking, serial, video, sound and smart card connectivity.

Mounting options Supplied with a vertical foot as standard and optional horizontal standing feet. Can also be mounted to walls, under desks and to the rear of monitors.

Green Draws just between 13 to 15 watts of power when connected to one keyboard, PS/2 mouse and monitor.

OS and Application Provisioning Full integration with Wyse WSM Provisioning software with the V00LE.

Management Features Wyse Device Manager (workgroup edition).

Virtualization Delivers the best user experience through full support for the Wyse TCX Suite of virtualized desktop enhancement software and Wyse VDA - acceleration software that reduces the effects of network latency.

Wyse ThinOS Fast booting, easy management, secure and with Smart Card support.

Wyse Linux V6 Powerful Linux-based operating system optimized for thin computing.

Microsoft Windows CE 6.0 WFR3 Ideal for departments and organizations that need simple support for Citrix ICA and Microsoft RDP.

Microsoft Windows XP Embedded Deploy fully functional desktop computers, with better manageability with the ability to create bespoke system images.

Microsoft Windows Embedded Standard 2009 Take advantage of the power of Microsoft Windows Embedded Standard 2009.

Specifications

Wyse V10L Dual DVI cloud client hardware

Processors	Via C7 Eden 800MHz
Memory	128MB Flash / 512MB DDR2 RAM
I/O peripheral support	Two DVI-I Ports for direct connection to digital displays Enhanced PS/2 keyboard with Windows keys PS/2 optical mouse included One serial port Three USB 2.0 ports (1 on front, 2 on back) **Factory options:** Internal Smart Card reader
Networking	10/100/1000 Gigabit Ethernet
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate Dual Monitors at 32 bpp color or 24 bpp color up to: 1920x1200@60 Hz
Audio	Output: 1/8-inch mini jack, full 16 bit stereo, 48KHz sample rate Input: 1/8-inch mini jack, 8 bit microphone
Physical characteristics	Height: 7.9" (201mm) Width: 1.8" (46mm) Depth: 7.1" (180mm)
Shipping Weight	8 lbs. (3.6kg)
Mountings	Vertical foot (optional horizontal feet) Optional VESA mounting bracket
Device Security	Kensington lock slot
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: 14.1 Watts
Temperature Range	Horizontal position: 50° to 95° F (10° to 35° C) Vertical position: 50° to 104° F (10° to 40° C)
Safety Certifications	German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC Class B, CE, VCCI, C-Tick WEEE, RoHS Compliant
Warranty	Three-year hardware warranty

Specifications

Wyse V10LE, V30LE, V50LE, V90LE, V90LEW thin clients and V00LE cloud PC

Processor	Via C7 Eden 1.2GHz
Memory	128MB Flash / 512MB DDR2 RAM (Wyse ThinOS) 128MB Flash / 512MB DDR2 RAM (Windows CE and Linux V.6) 1GB Flash / 1GB RAM - up to 2GB Flash / 1GB RAM (Windows XPe) 2GB Flash / 1GB DDR2 RAM (Windows Embedded Standard) 0MB Flash / 1GB RAM (Wyse WSM)
I/O peripheral support	One DVI-I Port One DVI-I Port to VGA (DB-15) Adapter Dual-video Support with: Optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately) Enhanced PS/2 keyboard with Windows keys PS/2 optical mouse included One serial port, and one parallel port Three USB 2.0 ports (1 on front, 2 on back)
Networking	10/100 Base-T Fast Ethernet twisted pair (RJ-45) Optional external USB 802.11 b/g wireless adapter
Factory options	Internal Smart Card reader Internal wireless option eliminates theft of external wireless adapters CardBus /PCMCIA card slot
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate Single Monitor at 32 bpp color: up to1920x1200 (Wyse ThinOS), 1920x1440 (Windows CE), 1920x1080 at 23bpp (Linux V6), 1920x1080 at 32 bpp (Windows XPe) Dual Monitors used simultaneously (requires optional monitor splitter cable) at 32 bpp color: up to 1280x1024 (Wyse ThinOS) 1680x1050 (Windows CE), 1280x1024 @ 24 bpp (Linux V.6), 1920x1080 at 32 bpp (Windows XPe)
Audio	Output: 1/8-inch mini jack full 16 bit stereo, 48KHz sample rate Input: 1/8-inch mini jack, 8 bit microphone
Physical characteristics	Height: 7.9 inches (201mm) Width: 1.8 inches (46mm) Depth: 7.1 inches (180mm)
Shipping weight	8 lbs. (3.6kg)
Mountings	Vertical foot (optional horizontal feet) Optional VESA mounting bracket
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: 13.2 Watts
Temperature Range	Horizontal position: 50° to 95° F (10° to 35° C) Vertical position: 50° to 104° F (10° to 40° C) Humidity 20% to 80% noncondensing
Security	Kensington Lock Slot
Safety Certifications	German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC Class B, CE, VCCI, C-Tick WEEE, RoHS Compliant
Warranty	Three-year limited warranty

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Visit our website at:
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Wyse Support Portal:
A fast and accurate way to communicate interactively with Wyse Customer Support.
http://support.wyse.com/selfservice.html

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